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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/801,993	03/08/2001	Jeffrey P. Kubala	POU920000201US1	5841

7590 07/08/2004

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EXAMINER

SIDDIQI, MOHAMMAD A

ART UNIT PAPER NUMBER

2154

DATE MAILED: 07/08/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/801,993	KUBALA ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Mohammad A Siddiqi	2154	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 17 May 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-43 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-43 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

**DETAILED ACTION**

1. Claims 1- 43 are presented for examination.
2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 05/17/04 has been entered.

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
4. Claims 1-43 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gulick et al. (6,314,501) (herein after Gulick) in view of Kutcher et al. (6,301,615) (hereinafter Kutcher).

5. As per claims 1, 15,29, and 43, Gulick discloses a method in a computing system having a first partition including a first operating system and a second partition including a second operating system (Fig 1, col 3, lines 3-5), the method comprising the steps of:

a) conveying first partition information from said first partition to a partition manager (shared window, col 2, lines 62-64,col 3, lines 6-35, col 4, lines 40-42);

b) creating in said partition manager (program code, col 3, lines 17-20), resource balancing directives from said resource balancing directives based on said first partition information (col 3, lines 25-35, col 52, lines 3-45); and

c) allocating resources to said first partition by the partition manager according to the resource balancing directives (col 52, lines 3-45).

Gulick, is silent about the conveying throughput information.

However, Kutcher discloses throughput information (throughput is amount of work that can be performed by a computer system or component in a given period of time can be monitored by the NETSTAT and VMSTAT, col 5-6, col 2, lines 29-55).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to use performance-monitoring utilities and

directs data to the server system to examine the performance of the system throughput.

6. As per claims 2,16, and 30, Gulick discloses the partition manager comprises a workload manager running in said second partition and a hypervisor (Unisys MCP, col 12, lines 30-54, col 33, lines 7-29).

7. As per claims 3,17, and 31, Gulick discloses the conveying information between partitions includes inter-partition memory sharing (shared window, col 2, lines 62-64,col 3, lines 6-35, col 4, lines 40-42).

Gulick, is silent about the conveying throughput information.

However, Kutcher discloses throughput information (throughput is amount of work that can be performed by a computer system or component in a given period of time can be monitored by the NETSTAT and VMSTAT, col 5-6, col 2, lines 29-55).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to use performance-monitoring utilities and directs data to the server system to examine the performance of the system throughput.

8. As per claims 4, 18, and 32, Gulick discloses the conveying information between partitions includes single operation message passing (col 5, lines 1-8, col 11, lines 15-16).

Gulick, is silent about the conveying throughput information.

However, Kutcher discloses throughput information (throughput is amount of work that can be performed by a computer system or component in a given period of time can be monitored by the NETSTAT and VMSTAT, col 5-6, col 2, lines 29-55).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to use performance-monitoring utilities and directs data to the server system to examine the performance of the system throughput.

9. As per claims 5, 19, and 33, Gulick teaches the information is obtained by a packet activity counter (col 44, lines 28-39, col 53, lines 30-50).

Gulick, is silent about the conveying throughput information.

However, Kutcher discloses throughput information (throughput is amount of work that can be performed by a computer system or component in a given period of time can be monitored by the NETSTAT and VMSTAT, col 5-6, col 2, lines 29-55).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to use performance-monitoring utilities and directs data to the server system to examine the performance of the system throughput.

10. As per claims 6, 20, and 34, Gulick teaches the information is obtained by counting network packets related to a partition (col 44, lines 28-39, col 53, lines 30-50, col 3, lines 33-35).

Gulick, is silent about the conveying throughput information.

However, Kutcher discloses throughput information (throughput is amount of work that can be performed by a computer system or component in a given period of time can be monitored by the NETSTAT and VMSTAT, col 5-6, col 2, lines 29-55).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to use performance-monitoring utilities and directs data to the server system to examine the performance of the system throughput.

11. As per claims 7, 21, 35, Gulick teaches the said network packets comprise packet received by a partition (col 53, lines 31-50)



12. As per claims 8, 22, and 36, Gulick teaches the network packets comprise packets sent by a partition (col 53, lines 31-50).

13. As per claims 9, 23, and 37, Gulick discloses the network packets are related to first partition (col 53, lines 31-50).

14. As per claims 10, 24, and 38, Gulick is silent about the throughput information is obtained by relating network traffic to a processor utilization over a period of time.

However, Kutcher discloses the throughput information is obtained by relating network traffic to a processor utilization over a period of time (NETSTAT and VMSTAT, col 5-6).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to use performance-monitoring utilities and directs data to the server system to examine the performance of the system throughput.

15. As per claims 11, 25, and 39, Gulick is silent about the network traffic is obtained by counting network packets related to a partition. However, Kutcher discloses the network traffic is obtained by counting network packets related to a partition (NETSTAT and VMSTAT, col 5-6).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to use performance-monitoring utilities and directs data to the server system to examine the performance of the system throughput.

16. As per claims 12, 26, and 40, Gulick is silent about the processor utilization is obtained from a system activity counter. However, Kutcher discloses the processor utilization is obtained from a system activity counter (NETSTAT and VMSTAT, col 5-6).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to use performance-monitoring utilities and directs data to the server system to examine the performance of the system throughput.

17. As per claims 13, 27, and 41, Gulick is silent about the processor utilization is a system activity counter. However, Kutcher discloses the processor utilization is a system activity counter (NETSTAT and VMSTAT, col 5-6).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to use performance-monitoring utilities and

directs data to the server system to examine the performance of the system throughput.

18. As per claims 14, 28, and 42, Gulick is silent about a network traffic to a processor utilization is a ratio of number of packets over time. However, Kutcher discloses disclose a network traffic to a processor utilization is a ratio of number of packets over time (NETSTAT and VMSTAT, col 5-6).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to use performance-monitoring utilities and directs data to the server system to examine the performance of the system throughput.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mohammad A Siddiqi whose telephone number is (703) 305-0353. The examiner can normally be reached on Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A Follansbee can be reached on (703) 305-8498. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MAS

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